First Name: $\qquad$ Last Name: $\qquad$

## Problem 1.

Which of the figures below couldn't be made with folding a rectangular sheet just once?

A

B
C
D
E


Answer:

## Problem 2.

Andrew received three cars, four balls, three teddy bears, ten pens, two chocolate bars, and a book for his birthday. How many items did he get in all?

## Answer:

## Problem 3.

Klara and Zosia had 60 matches altogether. Klara took as many matches as she needed to build a triangle, each side 6 matches long. Zosia used the remaining matches to build a rectangle, which had one side equal to 6 matches. How many matches long is each of the longer sides of this rectangle?

## Answer:

## Problem 4.

Each boy: Tom, Mike, Pavel, and Alex has exactly one of the following animals: a cat, a dog, a gold fish, and a canary-bird. Mike has a pet with fur. Alex has a pet with four legs. Pawel has a bird, and Tom and Mike don't like cats. Which of the following sentences is not true?
A. Alex has a dog.
B. Pavel has a canary.
C. Tom has a golden fish.
D. Alex has a cat.
E. Mike has a dog.

Answer:

## Problem 5.

One medal can be cut out from a golden square plate. If four medals are made from four plates, the remaining parts of those four plates can be used to make one more plate. What is the largest number of medals that could be formed when 16 plates are used?

Answer:

## Problem 6.

Twenty eight students from the fourth grade competed in the math competition. Each student earned a different number of points. The number of students who received more points than Tomek is two times smaller than the number of students who had less points than Tomek. In which position did Tomek finish that competition?

## Answer:

